

**NORTHERN RAILWAY**

No.433-Sig/T/22/18-19  
Dated: - 14/11/18

Divisional Office,  
Firozpur.

M/s Cyrus Electronics Pvt. Ltd,  
Cyrus House, B-44/69,  
Sector-Q, Aliganj,  
LUCKNOW (UP)-226024.

Sub: - Acceptance of tender in connection with Supply, Installation, Testing and commissioning of Integrated security system (ISS) comprising of CCTV Surveillance system at Amritsar, Pathankot Cantt, Jalandhar & Ludhiana of Firozpur Division..

Ref: - Your offer against Tender No.433-Sig/T/22/18-19 opened on 29.06.18

1. Your offer for the above mentioned work has been accepted and the contract is awarded in your favour by the competent authority for and on behalf of president of India at a total cost of Rs.2,89,06,850/00 (Rs. Two Crore Eighty nine lacs six thousand eight hundred fifty only) FOR destination including sales tax and all other taxes and duties etc. with the following stipulations. AS per GST Act 171(a) firm will pass on benefit of ITC to Railway.
2. This letter may be treated as letter of Acceptance. You are required to furnish the Performance Guarantee for Rs.1445343/- (Rs. Fourteen lacs forty five thousand three hundred forty three only) in favour of Sr. Divisional Finance Manager, Northern Railway, Firozpur within 30 days from the receipt of Letter of Acceptance. Extension of time for submitting of PG beyond 30(Thirty days) and up to 60 days from the date of issue of LOA may be given by the authority who is competent to sign the contract agreement. However, a penal interest of 15% per annum shall be charged for the delay beyond 30 days i.e. from 31<sup>st</sup> days after the date of issue of LOA. In case you fail to submit the requisite PG even after 60 days from the date of issue of LOA, the Contract shall be terminated forfeiting EMD and other dues, if any payable against that Contract. The Contractor shall be debarred for re-participating in tender for that work. This PG shall be withheld with the Railway for the proper fulfillment of the contractual obligations and the same will be released only after physical completion of work based on completion certificate issued by the competent authority stating that the contractor has completed the work in all respects satisfactorily.
3. The earnest money of Rs.3,22,340/- (Rs. Three lacs twenty two thousand three hundred forty only) deposited by you through Transaction ID NE3180916/CKG3290725 dt.29-06-18 also been retained in this office till full security money i.e. 5% of the contract value is deducted from bills for which deduction @ 10% will be made from each on account bill of yours in terms of Para 4.1 of conditions of contract of tender document. The Security deposit will however, be released only after expiry of the maintenance period and after passing the final bill based on "No Claim" Certificate from yours.,
4. Please attend this office to sign the agreement immediately on receipt of this acceptance letter, failing which action will be taken under general conditions of Contract. Till signing of Contract Agreement, this letter will be binding between you and railway.
5. The work should be commenced immediately under the supervision of concerned SSE/Tele/Ludhiana, Jalandhar, Amritsar & Pathankot by deploying sufficient staff and material. In this connection you are requested to report ADSTE/Ludhiana, Amritsar & Jammu Tawi immediately to take further instructions regarding

  
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commencement of the work so as to complete the work within the stipulated period of completion of work.

6. The entire work should be completed within 6 months from the date of issue of this letter. You will be advised in due course about the signing of the contract agreement.
7. Accounting Unit for the work is Sr. Divisional Finance Manager, Northern Railway, Firozpur.
8. The receipt of this letter may please be acknowledged failing which it will be presumed that you are not interested in this contract.
9. The letter of acceptance is issued without any prejudice in general terms and conditions of the contract.
10. Please note that all terms and conditions are the same as embodied with tender..
11. The rate of item no. 1,2,3,4,12,13,15,16,18,20,21,27,29,32 & 33 are restricted for future comparison being on lower side. Quantity of this item should not be decreased beyond agreemental Quantity without prior approval of Competent Authority.
12. The rate of item no. 5,6,7,8,10,11,14,17,19,22,23,24,26 & 28 are restricted for future comparison being on higher side. Quantity of this item should not be increased beyond agreemental Quantity without prior approval of Competent Authority
13. Quality of work and workman ship shall be strictly watched and all types of records like joint inspection of work site, maintenance of site register shall be strictly followed.
14. To avoid any legal complication in future an Affidavit need to be submitted by MD Sh. Ashok Kumar that he is managing Direct of Company
15. The Details of Schedule of work including quantities of items to be supplied are enclosed as Annexure-A.

DA/As above

  
Sr. Divisional Signal & Telecom Engineer,  
Northern Railway: Firozpur

Copy for information and necessary action to-

1. Sr. DFM/NR/Firozpur.
2. ADSTE/LDH, ASR & JAT
3. SSE/Tele/LDH, JUC, ASR & PTK



## ANNEXURE-A

Supply, Installation, Testing and commissioning of Integrated security system (ISS) comprising of CCTV Surveillance system at ,Amritsar, Pathankot Cantt, Jalandhar & Ludhiana of Firozpur Division..

SN	Item	Qty.	Unit	M/S Cyrus Electronics Pvt. Ltd		Inspection By .
				Rate per	Total Amount	
1	Supply, installation, testing & commissioning of Full HD Fixed Box Type IP Colour Camera, Varifocal Lens, Housing and Mount as per RDSO clause 5.0 of RDSO/SPN/ TC/65/2016 Rev 4.0 or latest.	70	Nos.	Rs.18,250/- each (Rs. Eighteen thousand two hundred fifty each)	Rs.12,77,500/- (Rs. Twelve lacs seventy seven thousand five hundred only)	Inspection by RDSO
2	Supply, installation, testing & commissioning of Full HD P/T/Z IP Colour camera along with housing and mount as per clause 7.0 of RDSO/SPN/TC/65/2016 Rev.4.0 or latest.	40	Nos.	Rs.36,000/- each (Rs. Thirty six thousand each)	Rs.14,40,000/- (Rs. fourteen lacs forty thousand only)	Inspection by RDSO
3	Supply, installation, testing & commissioning of 4K UHD Fixed Box Type IP Colour Camera, Varifocal Lens, Housing and Mount as per RDSO clause 5.0 of RDSO/SPN/TC/65/2016 Rev.4.0 or latest. Inspection by RDSO	30	Nos.	Rs.36,000/- each (Rs. Thirty six thousand each)	Rs.10,80,000/- only (Rs. Ten lacs eighty thousand only)	Inspection by RDSO
4	Supply, installation, testing & commissioning of 42" Large Format Display Monitor(LED) as per clause 9.0 of RDSO/SPN/TC/65/2016 Rev.4.0 or latest.	6	Nos.	Rs.43,000/- (Rs. forty three thousand each)	Rs. 2,58,000/- (Rs. Two lacs fifty eight thousand only)	Inspection by RDSO
5	Supply, installation, testing & commissioning of Network video management server with printer and all accessories i.e housing and mount as per clause no. 10.0 of RDSO/SPN/TC/65/2016 Rev.4.0 or latest.	4	Nos.	Rs.3,89,000/ (Rs. three lacs eighty nine thousand each)	Rs.15,56,000/- (Rs. Fifteen lacs fifty six thousand only)	Inspection by RDSO
6	Supply, installation, testing & commissioning of Server Hardware for Network video recording with all accessories as per clause 10.1 of RDSO/SPN/TC/65/2016 Rev 4.0 or latest.	4	Nos.	Rs.3,89,000/ (Rs. three lacs eighty nine thousand each)	Rs.15,56,000/- (Rs. Fifteen lacs fifty six thousand only)	Inspection by RDSO

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7	Supply, installation, testing & commissioning of Server Hardware for Network video analytics & Face Recognition with all accessories as per clause 10.1 of RDSO/SPN/TC/65/2016 Rev.4.0 or latest.	4	Nos.	Rs.3.89,000/- (Rs. three lacs eighty nine thousand each)	Rs.15,56,000/- (Rs. Fifteen lacs fifty six thousand only)	Inspection by RDSO
8	Supply, installation, testing & commissioning of PC Workstation for viewing, monitoring and system management as per clause 11.0 of RDSO/SPN/TC/65/2016 Rev.4.0 or latest	5	Lot	Rs.1,50,000/- (Rs. One lac fifty thousand each)	Rs.7,50,000/- (Rs. Seven lacs fifty thousand only)	Inspection by RDSO
9	Supply, installation, testing & commissioning of external storage with all accessories as per clause no. 12.0 of RDSO/SPN/TC/65/2016, Rev. 4.0 or latest .Hardware and software (clause no. 12.0 ) ( Capable of storing video for thirty days for the stations) with minimum 72 TB RAW usable storage capacity ager RAID 5/6 Configuration	3	Nos.	Rs.7,78,800/- (Rs. Seven lacs seventy eight thousand eight hundred each)	Rs. 23,36,400/- (Rs. Twenty three lacs thirty six thousand four hundred only)	Inspection by RDSO
10	Supply, installation, testing & commissioning of external storage with all accessories as per clause no. 12.0 of RDSO/SPN/TC/65/2016, Rev. 4.0 or latest .Hardware and software (clause no. 12.0) ( Capable of storing video for thirty days for the stations) with minimum 36 TB RAW usable storage capacity ager RAID 5/6 Configuration.	2	Nos.	Rs.4,95,600/- (Rs. Four lacs ninety five thousand six hundred each)	Rs.9,91,200/- (Rs. Nine lacs ninety one thousand two hundred only)	Inspection by RDSO
11	Supply, installation, testing & commissioning of software Consisting of the following requirements: - a) Network video management b) Network video recording. c) Video analytics. d) Graphical user interface client	5	Nos.	Rs.15,67,710 /- Rs. Fifteen lacs sixty seven thousand seven hundred ten each)	Rs.78,38,550/ (Rs. Seventy eight lacs thirty eight thousand five hundred fifty only)	Inspection by RDSO

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	recognition software. License to support for (i) 32 Camera for Video Analytics (ii) 6 Cameras for Face Recognition with 50,000 Face Database, (iii) 5 User Licenses for Viewing and Playback videos with Life time license validity as per clause 18.0, 19.0 & 20.0 of RDSO/SPN/TC/65/ 2016 Rev.4.0 or latest. Network management software for monitoring & trouble shooting the network also to be provided with 2 copy backup CD per camera point price for software for any decrease or increase (Clause no. 18.0 & 20.0 ) with licensing to various features & to support all the installed camera at 01 station.					
12	Supply of 8 ports 10/100/1000 Base T PoE with 2 or more 1000 Base X ports Layer 2 Switch with Required Fiber module (Configuration of ports shall be as per site requirement), switch as per clause 13.0 of RDSO/SPN/TC/65/2016 Rev 4.0 or latest.	45	Nos.	Rs.22,600/- (Rs. Twenty two thousand six hundred each)	Rs.10,17,000/- (Rs. Ten lacs seventeen thousand only)	inspection by RDSO
13	Installation ,Testing and Commissioning of of 8 ports 10/100/1000 Base T PoE with 2 or more, 1000 Base X ports Layer 2 Switch with Required Fiber module as per site requirement, switch as per clause 13.0 of RDSO/SPN/TC/65/2016 Rev.4.0 or latest. Inspection by site engineer.	45	Nos.	Rs.2,000/- (Rs. Two thousand each)	Rs.90,000/- (Rs. Ninety thousand only)	Inspection by Site Engineer
14	Supply & Installation of Digital key board (Joystick) with all accessories compatible with PTZ camera as per clause 8.0 of RDSO/SPN/ TC/65/2016 Rev.4.0 or latest.	4	Nos.	Rs.8,000/- (Rs. Eight thousand each)	Rs.32000/- (Rs. Thirty two thousand only)	Inspection by Consignee

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15	Supply of 24 port Layer 3 managed switch with 16 nos. 1000baseXSM SFP port, 4Nos. 1000 base T Ethernet, 1 Stackable dedicated 10G port with stack cable with fiber optical module (Configuration of ports shall be as per site requirement) with all accessories As per clause no. 14.0 of ROSO Spec ROSO/SPN/TC/65/2016 (Rev 4.0) or latest.	5	Nos.	Rs.1,41,600 (Rs. One lacs forty one thousand six hundred each)	Rs. 7,08,000/- (Rs. Seven lacs eight thousand only)	Inspection by RDSO
16	Installation, Testing and Commissioning of 24 port Layer 3 managed switch	5	Nos.	Rs.2,500/ Rs. Two thousand five hundred each)	Rs.12,500/- (Rs. Twelve thousand five hundred only)	Inspection by Site Engineer
17	Supply of STP CAT-6/UTP Cable as per clause no. 17.1 of RDSO/SPN/TC/65/2016 Rev.4.0 or latest	12000	Mtr.	Rs.47/- (Rs. forty seven per Mtr)	Rs.5,64,000/- (Rs. Five lacs sixty four thousand only)	Inspection by Consignee
18	Supply of 6 Fiber Core armored single mode optic Fiber cable as per IRS TC55:2006 (Rev-2) or latest.	6000	Mtr.	Rs.29/- (Rs. Twenty nine per Mtr)	Rs.1,74,000/- (Rs. one lac seventy four thousand only)	Inspection by Consignee
19	Laying of OFC/CAT-6/UTP cables in 1" PVC conduit/casing capping with suitable clamping & other accessories (PVC conduit/casing capping with suitable clamping & other accessories to be supplied by Contractor).	18000	Mtr.	Rs.25/- (Rs. Twenty five per Mtr)	Rs. 4,50,000/- (Rs. Four lacs fifty thousand only)	Inspection by Site Engineer
20	Supply and Installation of 19" 42U smart rack of APW president or Rittal or HCL make, rack with all accessories like electrical fitting, fantray, patch panel etc. for housing IP storage unit as per technical specification attached.	4	Nos.	Rs.41,800/- (Rs. forty one thousand eight hundred each)	Rs.1,67,200/- (Rs. One lac sixty seven thousand two hundred only)	Inspection by RDSO
21	Supply & Installation of rack form factor 9U wall mount 19" equipment rack, with power supply board, protection cable ground, front cover glass make by VERLACK or	50	Nos.	Rs.7,080/- (Rs. seven thousand eighty each)	Rs.3,54,000/- (Rs. Three lacs fifty four thousand only)	Inspection by Consignee

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	APW PRESIDENT, or Rittal or HCL.					
22	Supply of office furniture including office table Godrej T-9 or similar=1 No. & Office chairs GODREJ CH-7 or similar = 4 Nos. Inspection by Consignee	5	Nos	Rs.1,10,000/- (Rs. One lac ten thousand each)	Rs.5,50,000/- (Rs. five lacs fifty thousand only)	Inspection by Consignee
23	Supply of fiber optic patching cord FC-FC/FC-PC/FC-SC/LC-SC/LC-LC (05 mtrs length) as per site requirement/Site Engineer. MAKE- Priston or STS or better.	60	Nos.	Rs.850/- (Rs. Eight hundred fifty each)	Rs 51,000/- (Rs. Fifty one thousand only)	Inspection by Consignee
24	Supply of 3 core 2.5 sq mm power cable (copper) as per clause no. 17.0 of RDSO/SPN/TC/65/2016 Rev.4.0 or latest.	12000	Mtr.	Rs.118/- (Rs. one hundred eighteen each)	Rs.14,16,000/- (Rs. fourteen lacs sixteen thousand only)	Inspection by RDSO
25	Laying of Power cable in 1" PVC conduit/casing capping with suitable clamping & other accessories (PVC conduit/casing capping with suitable clamping & other accessories to be supplied by Contractor)..	12000	Mtr.	Rs.35/- (Rs. Thirty five per Mtr)	Rs.4,20,000/- (Rs. four lacs twenty thousand only)	Inspection by Site Engineer
26	Supply, Installation, testing & Commissioning of UPS (online) 10 KVA as per RDSO Spec. no. RDSO/PE/SPEC/PS/0023 -2001(Rev-0) Amendment no. 2 or latest with 120 minutes backup.	2	Nos.	Rs.,4,00,000/ (Rs. Four lacs each)	Rs.8,00,000/- (Rs. Eight lacs only)	Inspection by RDSO
27	Installation, testing and commissioning of UPS (Online) 10 KVA. Installation includes provision of required UPS point through power distribution panel consists of required MCBs, Switches and sockets of suitable rating with all wiring & termination accessories in control room to run the system on UPS. Inspection by site engineer.	2	Nos.	Rs.5,900/- (Rs. Five thousand nine hundred each)	Rs.11,800/- (Rs. eleven thousand eight hundred only)	Inspection by Site Engineer
28	Supply, Installation, testing & Commissioning of UPS (online) 5 KVA as	3	Nos.	Rs.2,54,900/- (Rs. Two lacs fifty four	Rs.7,64,700/- (Rs. Seven lacs sixty four	Inspection by RDSO

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	per RDSO Spec. no. RDSO/PE/SPEC/PS/0023-2001(Rev-0) Amendment no. 2 or latest with 120 minutes backup.			thousand nine hundred each)	thousand seven hundred only)	
29	Cutting of trench on/ across platform for a depth of 10 cm. and a width of 10cm with marble cutting machine and filling the trench after cable laying and restoring the surface with plaster etc.	2500	Mtr.	Rs.160/- (Rs. one hundred sixty per Mtr)	Rs.4,00,000/- (Rs. Four lacs only)	Inspection by Site Engineer
30	Excavation and refilling of trench to the level of ground with rammed earth so as to not to form a drain 0.3 mtr. Wide & 1 mtr. Deep from the foot of the rail or stone paved /Concrete /Platform earth profile whichever is lower, on other side of the station along the track .It shall confirm to the safe distance as per telecom practice and cable plan in all type of soil .it also includes clearance of roots of trees & bushes.	1500	Mtr	Rs.100/- (Rs. one hundred per mtr)	Rs.1,50,000/- (Rs. One Lac fifty thousand only)	Inspection by Site Engineer
31	Manual Excavation for cable trenches in normal soil. depth 1 Mtr and width 0.3 Mtr including dressing of sides lift upto 1.5 m, including getting out the excavated soil, ordinary refilling with excavated soil after laying of cable/ pipe etc, (w/o consolidation by ramming & watering) & disposal of surplus excavated soil as directed, within a lead of 50 meters.	1000	Mtr	Rs.50/- (Rs. Fifty per Mtr)	Rs.50,000/- (Rs. Fifty thousand only)	Inspection by Site Engineer
32	Laying of cable of different sizes and corage in all different type of trench	5000	Mtr	Rs.5/- (Rs. Five per Mtr)	Rs.25,000/- (Rs. Twenty five thousand only)	Inspection by Site Engineer
33	Supply and installation of maintenance free earth as per specs. RDSO/SPN/197/2008 or latest with amendments, consisting of: i) Copper bonded steel Earth electrodes 3.0mtr. long, dia 17.0mm - 04 Nos. ii) Earth Enhancing compound (Bags sealed	4	Set	Rs.15000/- (Rs. Fifteen thousand per set)	Rs. 60,000/- (Rs. Sixty thousand only)	Inspection by Consignee

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35 Kg per electrode). iii) Copper bus bar at earth electrode 25mm width x 6mm thick x 150mm long one per electrode. iv) Copper tape of size 25mm x 2mm of required length as per location for interconnecting earth electrode - 04 Nos. v) Copper bus bar near equipment 25mm width x 8mm thick x 300mm long(MEEB) - 2 Nos. vi) Supply of PVC insulated multistrand 35 Sq.mm Copper Cable as per IS: 694 to connect Main Earth Busbar to Busbar of Main Earth Electrode in duplicate -100 mtr. vii) Supply of PVC insulated multistrand 10 Sq.mm Copper Cable as per IS: 694 to connect individual equipment to Main Earth Busbar.-100 mtr. viii) Inspection Chamber of size 300X300X300 mm (inside dimension) concrete box with smooth cement plaster finish. A concrete lid, painted black, approx. 50 mm thick.					
Total				28906850.00	
Rs. Two crore eighty nine lacs six hundred fifty only)					

  
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